A Disruptive Infrastructure Company

Felipe Varon
Founder & CEO
• Who we are.
• Enabling Technologies.
• Airspace Integration Architecture.
• Implementation in Latin America.
• System of Systems Integration.
We’ve created a **new** way for **cities** to expand that **disrupts** the status quo, resolving these problems while generating **new business opportunities**.
Our Infrastructure Networks
Our Vertiports
Traditional Aircraft: Complex.
Drone Technology: Simple.
Urban Air Mobility / Advanced Air Mobility
Airspace Integration Architecture

Infrastructure Network Design

Vertiports
Fixed Sky Routes
Linking Vertiports

Intermodality (Compact Urban Cells)
Accessibility
Energy Efficiency
Demand Prediction
UAM Transportation System
Airspace Volumes

Urban Geodesics
The shortest path between vertiports through low altitude airspace, taking into account no fly zones, existing air routes, critical infrastructure, city obstacles, known wind conditions and topography.
Traffic Management System (TMS)
Air Vehicles Traffic Orchestration

Airspace Integration Architecture

Permanent Reserved Airspace Volume / UTM No Fly Zone

Assigned Virtual Lane Displayed Onboard for Operator

TMS C2
Implementation in Latin America

Los Angeles, USA

Bogota, Colombia

Implementation in Latin America

The Cities With The Worst Traffic Congestion
Cities with the highest average traffic congestion levels in 2019:

<table>
<thead>
<tr>
<th>City</th>
<th>Country</th>
<th>Congestion Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bengaluru</td>
<td>India</td>
<td>71%</td>
</tr>
<tr>
<td>Manila</td>
<td>Philippines</td>
<td>71%</td>
</tr>
<tr>
<td>Bogota</td>
<td>Colombia</td>
<td>68%</td>
</tr>
<tr>
<td>Mumbai</td>
<td>India</td>
<td>65%</td>
</tr>
<tr>
<td>Pune</td>
<td>India</td>
<td>59%</td>
</tr>
<tr>
<td>Moscow</td>
<td>Russia</td>
<td>59%</td>
</tr>
<tr>
<td>Lima</td>
<td>Peru</td>
<td>57%</td>
</tr>
<tr>
<td>New Delhi</td>
<td>India</td>
<td>56%</td>
</tr>
<tr>
<td>Istanbul</td>
<td>Turkey</td>
<td>55%</td>
</tr>
<tr>
<td>Jakarta</td>
<td>Indonesia</td>
<td>53%</td>
</tr>
</tbody>
</table>

* 0% = uncongested free flow of traffic - e.g. 35% congestion means the extra travel time is 35% more than the average trip in uncongested conditions.

Source: TomTom Traffic Index

The Cities with the Biggest Traffic Jams
Cities where the average commuter spent the most hours in congestion in 2019:

<table>
<thead>
<tr>
<th>City</th>
<th>Hours in Congestion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bogota</td>
<td>191</td>
</tr>
<tr>
<td>Rio de Janeiro</td>
<td>190</td>
</tr>
<tr>
<td>Rome</td>
<td>166</td>
</tr>
<tr>
<td>Paris</td>
<td>165</td>
</tr>
<tr>
<td>Belo Horizonte</td>
<td>160</td>
</tr>
<tr>
<td>Mexico City</td>
<td>158</td>
</tr>
<tr>
<td>Dublin</td>
<td>154</td>
</tr>
<tr>
<td>Istanbul</td>
<td>153</td>
</tr>
<tr>
<td>Sao Paulo</td>
<td>152</td>
</tr>
<tr>
<td>Saint Petersburg</td>
<td>151</td>
</tr>
</tbody>
</table>

Source: INRIX Global Traffic Scorecard

Implementation in Latin America

Vertiports and Airspace Volumes
General Placement Locations
Cartagena - Colombia

Vertiport Bocagrande
Vertiport Castillo
Implementation in Latin America

Vertiports and Airspace Volumes
General Placement Locations
Cali - Colombia

Airspace Volume Dimensions approximately to scale relative to map.
Implementation in Latin America

Vertiports and Airspace Volumes
General Placement Locations
Bogota North - Colombia
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Passenger Vertiport, Bogota
Implementation in Latin America

Freight Vertiport, Bogota
Implementation in Latin America

Passenger Vertiport, Cartagena
Tourism Business Cases
Implementation in Latin America
System of Systems Integration

Today

2021

Exhibitions

Test & Integration Operations
System Demonstrations
Vision Center
Flying Car Races

Freight Transportation Services

Passenger Transportation Services
System of Systems Integration

- Air Vehicle OEMs
- Subsystems Providers
- Energy
- Urban Planning
- Traffic Management
- Vertiports
- Regulators
- Insurance
VARON VEHICLES CORPORATION

Ride The Future™

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